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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/822,355	04/13/2004	Grant R. Gerhart	TA-3217	TA-3217 3055	
29322	7590 08/10/2006		EXAMINER		
U.S. ARMY TACOM			NGUYEN, TU T		
ATTN: AMSTA-LP/281 6501 E. 11 MILE RD.			ART UNIT	PAPER NUMBER	
WARREN,	WARREN, MI 48397-5000			2877	
			DATE MAILED: 08/10/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)			
	10/822,355	GERHART ET AL.			
Office Action Summary	Examiner	Art Unit			
	Tu T. Nguyen	2877			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	Lely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
Responsive to communication(s) filed on 13 Ju This action is FINAL. 2b) ☐ This Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro				
Disposition of Claims					
4) Claim(s) 1-5 is/are pending in the application. 4a) Of the above claim(s) 5 is/are withdrawn fro 5) Claim(s) 1-4 is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or	•				
9)⊠ The specification is objected to by the Examine 10)⊠ The drawing(s) filed on 13 April 2004 is/are: a) Applicant may not request that any objection to the content drawing sheet(s) including the correction of the content drawing sheet (s) including the conten	☑ accepted or b)☐ objected to define the definition of the definition of the drawing(s) is object to be defined if the drawing(s) is object to be defined as the drawing(s) is object to be defined as the definition of the drawing(s) is object to be defined as the definition of the	e 37 CFR 1.85(a). lected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119	•				
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 05/09/2006.	4) Interview Summary Paper No(s)/Mail Do 5) Notice of Informal P 6) Other:				

Art Unit: 2877

DETAILED ACTION

This application is in condition for allowance except for the following formal matters:

Election/Restrictions

This application is in condition for allowance except for the presence of claim 5 directed to Group II non-elected without traverse. Accordingly, claim 5 should be cancelled.

Abstract

Applicant is reminded of the proper language and format for an abstract of the disclosure.

The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited. The form and legal phraseology often used in patent claims, such as "means" and "said," should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.

The abstract in this application has more than 150 words.

Specification

The disclosure is objected to because of the following informalities:

Art Unit: 2877

Specification, "Brief Description of The Drawings" section, the description of each drawing should be in separate paragraph.

Allowable Subject Matter

Claims 1-4 are allowed.

As per claim 1, the prior arts of record, taken alone or in combination, fail to disclose or render obvious the steps of passing the sets of attenuated rays through a color filter; passing the sets of attenuated rays to a camera CCD array which forms an image from each of the sets of rays, each of the images having a matrix of pixel values, wherein a given pixel value in one of the images has corresponding pixel values in all others of the images and corresponding sets of pixel values relate to same points in the scene; calibrating a mathematical relation between the pixel values and intensity values; converting the matrices of the pixel values to matrices of the intensity values; using the matrices of intensity values to derive matrices of Stokes parameters S.sub.0, S.sub.1, S.sub.2, and S.sub.3; converting the parameter values S.sub.1, S.sub.2, and S.sub.3 into values for colors unique for each of the parameters by the formula C=int[127.5(1-S)] where C is a color and S is S.sub.1, S.sub.2, or S.sub.3; using the unique values to create a color map of the scene which represents the polarization characteristics of the scene, in combination with the rest of the steps in the claim.

Prosecution on the merits is closed in accordance with the practice under *Ex* parte Quayle, 1935 C.D. 11, 453 O.G. 213.

Application/Control Number: 10/822,355 Page 4

Art Unit: 2877

A shortened statutory period for reply to this action is set to expire **TWO**MONTHS from the mailing date of this letter.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tu T. Nguyen whose telephone number is (571) 272-2424. The examiner can normally be reached on T-F 7:30-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gregory Toatley Jr. can be reached on (571) 272-2800 Ext. 77. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Tu T. Nguyen
Primary Examiner

Dunguyen

Art Unit 2877